

In re Appln of Thomas M. Mayers et al
Application No. 10/789,000
Response to Final Rejection dated July 27, 2006
and the Examiner's Answer Mailed October 2, 2007

This listing of the claims will replace all prior versions of the claims in the application.

Listing of Claims:

Claim 1 (Amended). An abuse-resistant, cast acoustical ceiling tile having a core made from a starch gel and mineral wool fiber composition with the starch gel ranging from 75 to 83 weight percent of the core composition and the mineral wool fibers ranging from 17 to 25 weight percent of the core composition, wherin the front surface of the tile is coated with aggregate particles having an average particle mean diameter of at least about 1,000 microns.

Claim 2 (Original). The ceiling tile of claim 1 wherein the aggregate particles are selected from the group consisting of calcium carbonate, crushed marble, sand, clay, perlite, vermiculite, crushed stone and glass.

Claim 3 (Original). The ceiling tile of claim 2 wherein the aggregate particles are calcium carbonate.

Claim 4 (Original). The ceiling tile of claim 3 wherein the aggregate particles have an average particle mean diameter ranging from about 1,000 microns to about 3,000 microns.

Claim 5 (Original). The ceiling tile of claim 3 wherein the aggregate particles have an average particle mean diameter ranging from about 1,400 microns to about 2,500 microns.

Claim 6 (Original). The ceiling tile of claim 1 which has a noise reduction coefficient (NRC) value of at least about 0.50.

Claim 7 (Original). The ceiling tile of claim 2 which has a noise reduction coefficient (NRC) value of at least about 0.50.

Claim 8 (Original). The ceiling tile of claim 3 which has a noise reduction coefficient (NRC) value of at least about 0.50.

Claim 9 (Original). The ceiling tile of claim 4 which has a noise reduction coefficient (NRC) value of at least about 0.50.

Claims 10-14 have been withdrawn from further consideration.